

REMARKS

Claims 1 – 39 were originally filed in the application. In a preliminary amendment filed on April 29, 2004, claims 1, 2, 5, 15, 16, 17, 18, and 22 were amended and new claims 40 – 42 have been added.

In the present document, independent claims 1, 16 and 27 have been amended to replace the term “non-formation signal” with the term “non-NMR signal.” It is noted that one of the objectives of the present invention is to correct NMR signals for the effects of ringing caused by excitation pulses and/or refocusing pulses, which are non-NMR signals. Appropriate amendments have been made to the dependent claims in view of the amendments to the independent claims. Minor typographic errors and antecedent errors have also been rectified. No new matter has been added by the amendments.

Consideration of the application as amended is respectfully requested. The Commissioner is hereby authorized to charge any fee due for these amendments to **Deposit Account No. 02–0429 (584-35597).**

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Respectfully submitted,



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